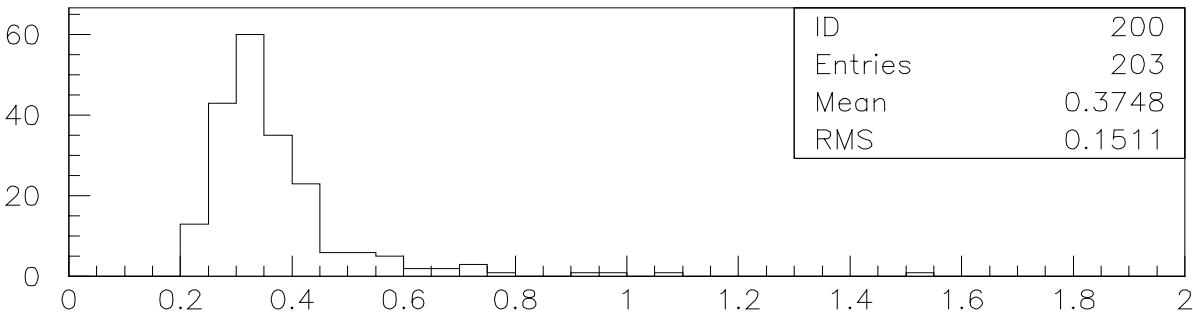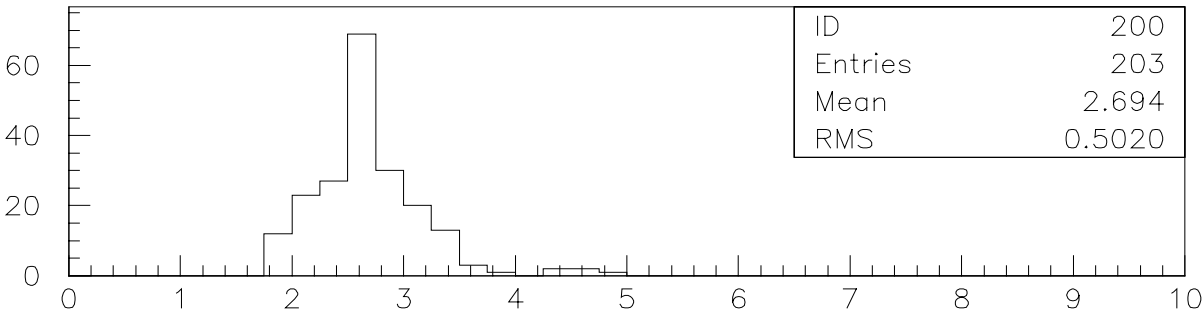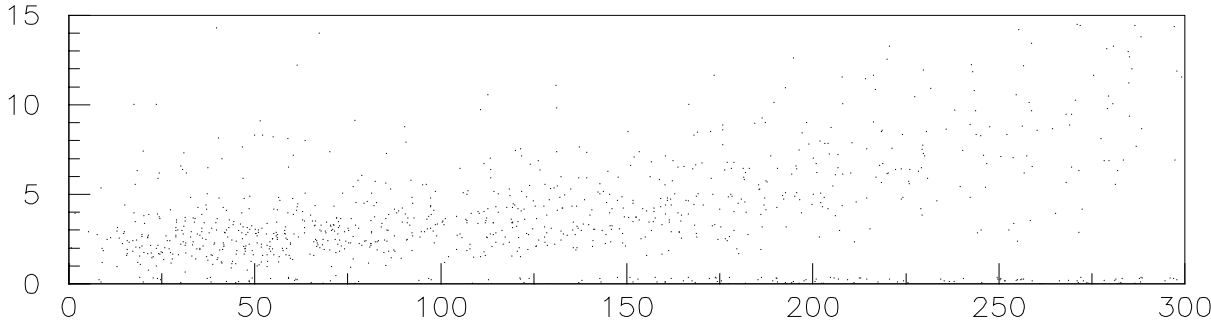# EmulsionData "203": Alignment

3 segments of existing tracks were fit. The RMS of the position and angular residuals were calculated for each fit. This was done at several points along every fifth track in each event.

ID	200
Entries	203
Mean	0.3748
RMS	0.1511

Sigma position (micron) penetrating tracks

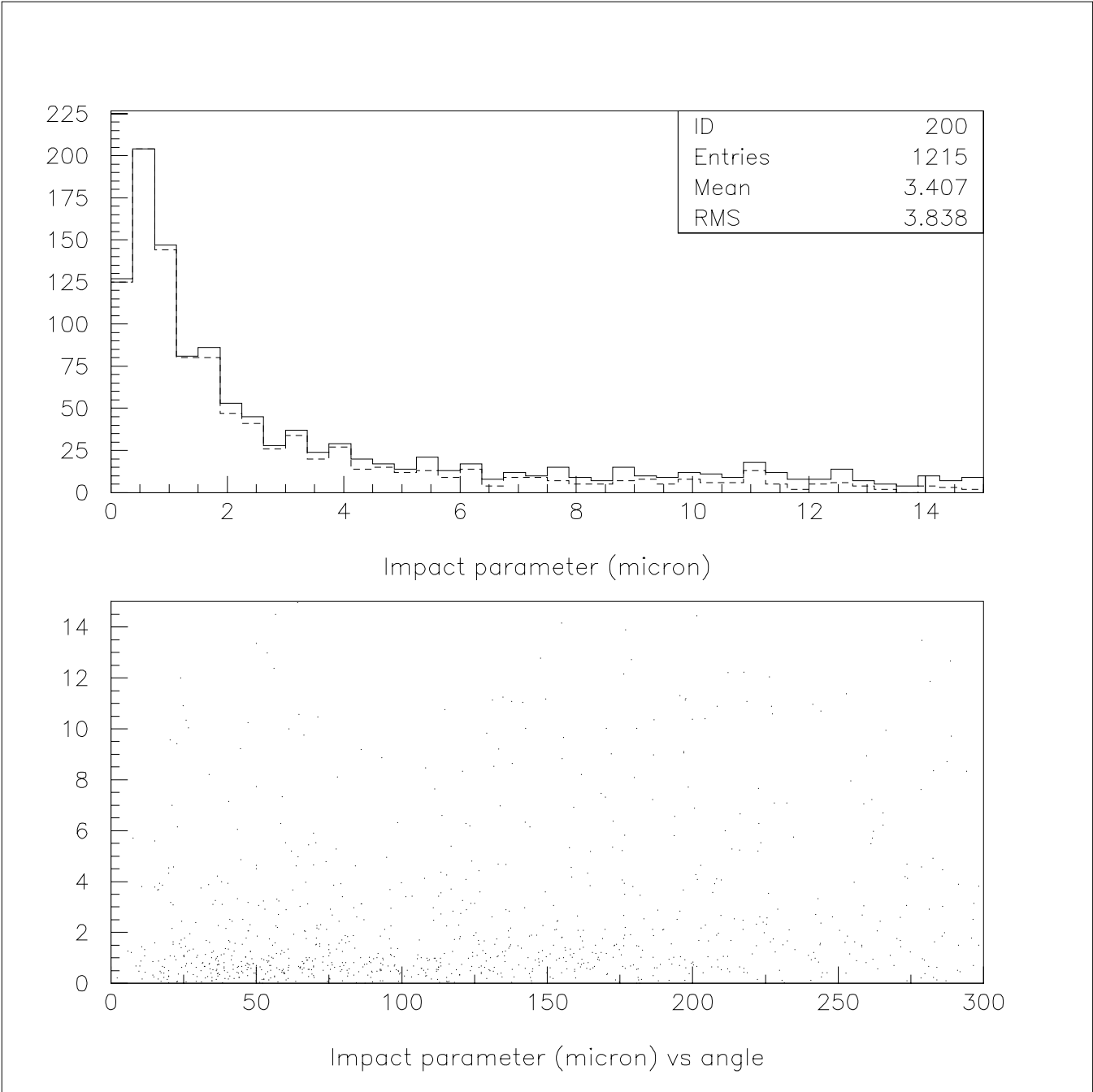| ID | 200 |
Entries	203
Mean	2.694
RMS	0.5020

Sigma angle (mrad) penetrating tracks

sigma angle vs angle

Emulsion Data "203": Vertex fit

3 segments of primary tracks were fit. The impact parameter to a fit vertex was calculated.

ID	200
Entries	1215
Mean	3.407
RMS	3.838

Impact parameter (micron)

Impact parameter (micron) vs angle

EmulsionData "203": Linking

The fraction of primary tracks that were linked downstream until exiting is shown. Primary tracks were used simply as a set with random angles. In all of the 203 events, not more than one primary track ended within the scan volume.

ID	200
Entries	203
Mean	0.7879
RMS	0.2058

Fraction of primary tracks exiting

ID	200
Entries	203
Mean	0.9081
RMS	0.1630

Fraction of primary tracks exiting (more than 1 segment)